

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/352,570A

Input Set : A:\00398.506001.SEQLIST.TXT
Output Set: N:\CRF4\10102002\I352570A.raw

Output Set: N:\CRF4\10102002\I352570A.raw 4 <110> APPLICANT: Michael E. Mendelsohn 7 <120> TITLE OF INVENTION: METHOD FOR ASSAYING COMPOUNDS AFFECTING CELL DIVISION 10 <130> FILE REFERENCE: 00398/506001 12 <140> CURRENT APPLICATION NUMBER: 09/352,570A 13 <141> CURRENT FILING DATE: 1999-07-13 15 <160> NUMBER OF SEQ ID NOS: 7 ENTERED 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0 19 <210> SEQ ID NO: 1 20 <211> LENGTH: 618 21 <212> TYPE: DNA 22 <213> ORGANISM: Homo sapiens 24 <220> FEATURE: 25 <221> NAME/KEY: CDS 26 <222> LOCATION: (1)...(618) 28 <400> SEQUENCE: 1 29 atg gcg ctg cag ctc tcc cgg gag cag gga atc acc ctg cgc ggg agc 48 30 Met Ala Leu Gln Leu Ser Arg Glu Gln Gly Ile Thr Leu Arg Gly Ser 10 33 gcc gaa atc gtg gcc gag ttc ttc tca ttc ggc atc aac agc att tta 96 34 Ala Glu Ile Val Ala Glu Phe Phe Ser Phe Gly Ile Asn Ser Ile Leu 25 20 37 tat cag cgt ggc ata tat cca tct gaa acc ttt act cga gtg cag aaa 144 38 Tyr Gln Arg Gly Ile Tyr Pro Ser Glu Thr Phe Thr Arg Val Gln Lys 35 45 39 40 192 41 tac gga ctc acc ttg ctt gta act act gat ctt gag ctc ata aaa tac 42 Tyr Gly Leu Thr Leu Leu Val Thr Thr Asp Leu Glu Leu Ile Lys Tyr 55 240 45 cta aat aat gtg gtg gaa caa ctg aaa gat tgg tta tac aag tgt tca 46 Leu Asn Asn Val Val Glu Gln Leu Lys Asp Trp Leu Tyr Lys Cys Ser 70 49 gtt cag aaa ctg gtt gta gtt atc tca aat att gaa agt ggt gag gtc 288 50 Val Gln Lys Leu Val Val Val Ile Ser Asn Ile Glu Ser Gly Glu Val 336 53 ctg gaa aga tgg cag ttt gat att gag tgt gac aag act gca aaa gat 54 Leu Glu Arg Trp Gln Phe Asp Ile Glu Cys Asp Lys Thr Ala Lys Asp 105

57 gac agt gca ccc aga gaa aag tct cag aaa gct atc cag gat gaa atc 58 Asp Ser Ala Pro Arg Glu Lys Ser Gln Lys Ala Ile Gln Asp Glu Ile

61 cgt tca gtg atc aga cag atc aca gct acg gtg aca ttt ctg cca ctg 62 Arg Ser Val Ile Arg Gln Ile Thr Ala Thr Val Thr Phe Leu Pro Leu

140

135

115

130

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Input Set : A:\00398.506001.SEQLIST.TXT
Output Set: N:\CRF4\10102002\1352570A.raw

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66 Leu Glu Val Ser Cys Ser Phe Asp Leu Leu Ile Tyr Thr Asp Lys Asp
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69 ttg gtt gta cct gaa aaa tgg gaa gag tcg gga cca cag ttt att acc
70 Leu Val Val Pro Glu Lys Trp Glu Glu Ser Gly Pro Gln Phe Ile Thr
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                                       170
73 aat tot gag gaa gtg cgc ott cgt toa ttt act aca atc cac aaa
74 Asn Ser Glu Glu Val Arg Leu Arg Ser Phe Thr Thr Ile His Lys
                                   185
               180
77 gta aat agc atg gtg gcc tac aaa att cct gtc aat gac tga
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99 Val Ile Ser Asn Ile Glu Ser Gly Glu Val Leu Glu Arg Trp Gln Phe
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101 Asp Ile Glu Cys Asp Lys Thr Ala Lys Asp Asp Ser Ala Pro Arg Glu
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103 Lys Ser Gln Lys Ala Ile Gln Asp Glu Ile Arg Ser Val Ile Arg Gln
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107 Phe Asp Leu Leu Ile Tyr Thr Asp Lys Asp Leu Val Val Pro Glu Lys
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                                            155
109 Trp Glu Glu Ser Gly Pro Gln Phe Ile Thr Asn Ser Glu Glu Val Arg
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113 Tyr Lys Ile Pro Val Asn Asp
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122 <220> FEATURE:
123 <221> NAME/KEY: CDS
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Input Set : A:\00398.506001.SEQLIST.TXT
Output Set: N:\CRF4\10102002\I352570A.raw

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128							acc	t.t.a	cac	aaa	agc	acc	gag	atc	ata	qcc	gag	48
129   1																		
131 the tite to total tit ggt atc and agt att that at cag cgt ggc ata tat   96			014	01	011					1								
132   Phe   Phe   Ser   Phe   Cly   Tle   Asn   Ser   Tle   Leu   Tyr   Gln   Arg   Gly   Tle   Tyr   Tyr			ttc	tca	+++	-	atc	aac	agt	att		tat	caq	cat	aac	_	t.a.t.	96
133																		
135 cca tcg gaa acc ttt act cga gtg cag aaa tat gga ctc acc ttg ctt 136 Pro Ser Glu Thr Phe Thr Arg Val Gln Lys Tyr Gly Leu Thr Leu Leu 137 35 40 45 139 gta act act gat cct gag ctc ata aaa tac cta aat gtg gtg ggt 140 Val Thr Thr Asp Pro Glu Leu Ile Lys Tyr Leu Asn Asn Val Val Asp 141 50 55 60 143 caa cta aaa gaa tgg tta tac aag tgt tca gtt cag aaa ctg gtg gta 144 Cln Leu Lys Glu Trp Leu Tyr Lys Cys Ser Val Gln Lys Leu Val Val 145 65 75 80 147 gtc atc tca aat att gaa agt gga ggg ggc ctt gaa aga tgg cag ttt 148 Val Ile Ser Asn Ile Glu Ser Gly Glu Val Leu Glu Arg Trp Gln Phe 149 85 90 95 151 gat att gag tgt gac aag act gca aaa gat ggc agt gtc ctt gaa gag tgg ccc cag gaa 152 Asp Ile Glu Cys Asp Lys Thr Ala Lys Asp Asp Ser Ala Pro Arg Glu 153 100 105 155 aag tct cag aaa gct atc caa gat gaa act cgt tca gtg acc ccc aga gaa 156 Lys Ser Gln Lys Ala Ile Gln Asp Glu Ile Arg Ser Val Ile Arg Gln 157 115 120 158 at aca gct aca gta aca tt ctg cca ctg ttg gaa gtt tct tgt tca 160 Ile Thr Ala Thr Val Thr Phe Leu Pro Leu Leu Glu Val Ser Cys Ser 161 130 135 163 ttt gat ctc ctc att tat aca gac aaa gat ctg gt gt gac aca gat gac act cgg acc aca gat gac act cgg acc aca gat gac act cgg acc aca gat gac act gac gac gac gac aca gat gac act gac gac gac gac aca gat gac act gac gac gac gac gac aca gat gac act gac gac gac gac gac gac gac aca gat gac act gac		FIIC	FIIC	361		GLY	110	ASII	JCI		ДСи	-11-	01.11	*** 9		110	-1-	
136   Pro   Ser   Glu   Thr   Phe   Thr   Arg   Val   Gln   Lys   Tyr   Gly   Leu   Thr   Leu   Leu   137   35		000	+ ~~	~~~		+++	act	cas	ata		222	tat	aaa	ctc		tta	ctt	144
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141																		172
143 caa cta aaa gaa tgg tta tac aag tgt tca gtt cag aaa ctg gtg gta 144 Gln Leu Lys Glu Trp Leu Tyr Lys Cys Ser Val Gln Lys Leu Val Val 145 65 70 80 147 gtc atc tca aat att gaa agt gga gag gtc ctt gaa aga tgg cag ttt 148 Val Ile Ser Asn Ile Glu Ser Gly Glu Val Leu Glu Arg Trp Gln Phe 149 85 90 151 gat att gag tgt gac aag act gca aaa gat ggc agt gca ccaga gaa 152 Asp Ile Glu Cys Asp Lys Thr Ala Lys Asp Asp Ser Ala Pro Arg Glu 153 100 155 aag tct cag aaa gct atc caa gat gaa atc cgt tca gtg atc aga cag 156 Lys Ser Gln Lys Ala Ile Gln Asp Glu Ile Arg Ser Val Ile Arg Gln 157 115 159 atc aca gct aca gta aca ttt ctg cca ctg ttg gaa gtt tct tgt ca 160 Ile Thr Ala Thr Val Thr Phe Leu Pro Leu Leu Glu Val Ser Cys Ser 161 130 163 ttt gat ctc ctc att tat aca gac aaa gat ctg gat gtt gta cct gag 164 Phe Asp Leu Leu Ile Tyr Thr Asp Lys Asp Leu Val Val Pro Glu Lys 165 145 167 tgg gaa gag tcc gga cca cag ttc att acc aat tct gaa gaa gtt cgt 168 Trp Glu Glu Ser Gly Pro Gln Phe Ile Thr Asn Ser Glu Glu Val Arg 169 165 170 175 180 210 180 175 180 210 180		Val		TIII	ASP	PIO	Giu		TIE	nys	тут	Lеu		ASII	Val	Val	rsb	
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161																		432
163 ttt gat ctc ctc att tat aca gac aaa gat ctg gtt gta cct gag aaa 480 164 Phe Asp Leu Leu Ile Tyr Thr Asp Lys Asp Leu Val Val Pro Glu Lys 165 145	160	Ile	Thr	Ala	Thr	Val	Thr	Phe	Leu	Pro	Leu	Leu	Glu	Val	Ser	Cys	Ser	
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165 145																		480
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VERIFICATION SUMMARY

DATE: 10/10/2002

PATENT APPLICATION: US/09/352,570A

TIME: 10:08:15

Input Set : A:\00398.506001.SEQLIST.TXT Output Set: N:\CRF4\10102002\I352570A.raw